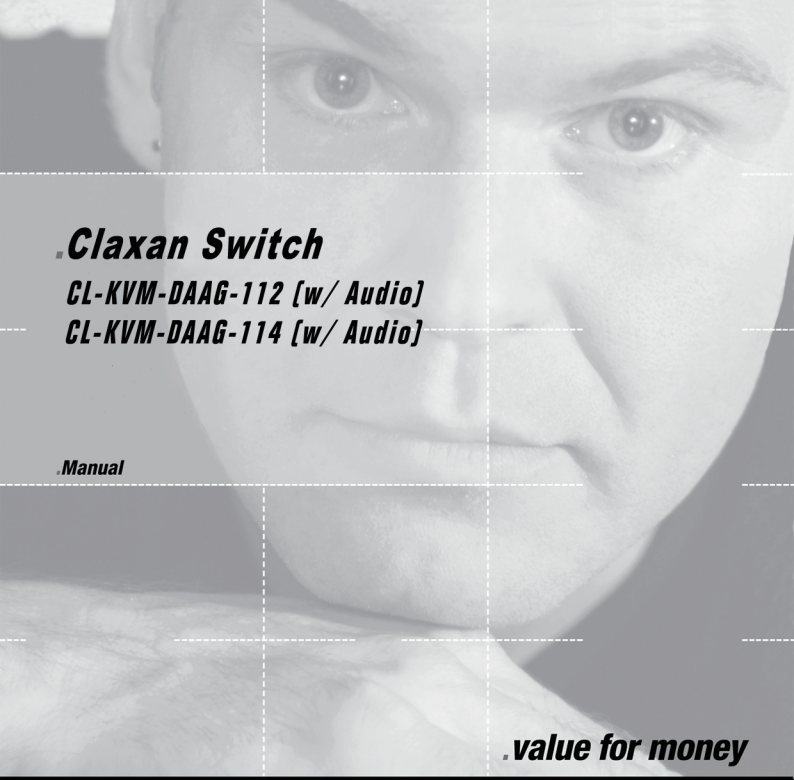


Claxan Switch

CL-KVM-DAAG-112 (w/ Audio)
CL-KVM-DAAG-114 (w/ Audio)

Manual

value for money

- High Video-resolution
- Auto scan for easy monitoring
- Hot plug-and-play
- Audible buzzer for switching confirmation

CLAXAN

Package Contents

CL-KVM-DAAG-112 (w/ Audio)

2-Port (CL-KVM-DAAG-112)	x 1
User's manual	x 1
Rubber foot pad	x 1 set

CL-KVM-DAAG-114 (w/ Audio)

4-Port (CL-KVM-DAAG-114)	x 1
User's manual	x 1
Rubber foot pad	x 1 set

PP5-GG0800-010
Printed in Taiwan

Table of Content

- **Introduction……..1**
  - Overview.....1
  - Features..... 2
- **System Requirements……..3**
  - Console side **3**
  - Computer side..... **3**
- **Installations…… 4**
  - PC BIOS Notice 4
  - Console Connection 5
  - Computers Connection 6
- **Operations……..7**
  - Front Panel……7
- **Rack Mount Kit……14**
- **Appendices……15**
  - Specifications……..15
- **Troubleshooting……..16**

Please read this manual thoroughly and follow the **Installation** procedures to prevent any damage to the Unit or any connecting device.

FC CE VCI **RoHS**

---------- Introduction

Overview

The CL-KVM-DAAG-112 and CL-KVM-DAAG-114, fully compatible with USB specification, are the combination of USB KVM (keyboard/Video/mouse) switch and USB peripherals sharing device. With the 2/4-Port USB KVM switch, you can easily operate up to 4 PCs, G3/G4 Macs, or iMacs respectively from 1 USB keyboard, 1 USB mouse, and 1 DVI monitor saving you space, time, equipment and money. The peripheral sharing function enables you to share more USB peripherals among all computers. The “FUNC” button for adjusting the video signal strength. The audio function enable users to switch among 2/4 media sources and enjoy the output on one display and one set of speakers.

Installation is as easy as connecting USB A-B cables to computers and to the unit. Computer selecting is as easy as front panel button pressing. The built-in USB hub ensures smooth switching from one computer to the other. The CL-KVM-DAAG-112/ CL-KVM-DAAG-114 provides the easiest way to manage multiple computers with USB interface and share USB peripherals among computers. No more tangled cables and messy working environment; let the CL-KVM-DAAG-112/ CL-KVM-DAAG-114 do the computer switching for you.

Features

- Support USB Console
- Support DVI Single Link with the resolution up to 1920 x 1200
- 2/4 computers share up to 4 different USB peripherals (KB+ MS+ 2 USB Devices)
- Unique Tracking System enable the USB & Audio devices to operate independently
- Front panel push buttons for easy computer selection
- Rear panel “FUNC” button for easily adjusting the video signal strength (for CL-KVM-DAAG-114 only)
- No drivers needed for keyboard and mouse operation
- Support keyboard and mouse plug-n-play
- Buzzer sound for computer switching confirmation
- Activate Auto Scan by front buttons pressing
- Selectable Scan Time interval
- Support the DVI monitor
- Support Windows and Mac host systems
- No software required

System Requirements

Console side

- One DVI monitor
- One USB keyboard
- One USB mouse

Computer side

Each USB-enabled computer must be connected to the unit by

- One DVI cable for monitor, as shown below.

One USB A-B cable with Type-A and Type-B plug for USB devices.

- Or one DVI 2-to-2 cable for monitor+ USB devices as shown below

PC BIOS Notice

*The following BIOS setup changes are necessary for PC users and **not** necessary for Mac users:*

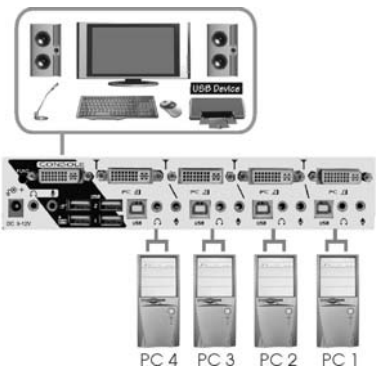
1. In STANDARD CMOS, set HALT ON ERROR to ALL BUT KEYBOARD.
2. In PNP AND PCI SETUP, set PNP OS INSTALLED to YES and set USB IRQ to ENABLED.

Note: The CL-KVM-DAAG-112/ CL-KVM-DAAG-114 is applicable for USB keyboard and mouse switching from one computer to the other. If you plan to share other peripherals such as a CCD camera, printer or scanner, it is required to shut down the driver of the computer before switching to another computer. Because port switching is equivalent to unplugging the USB cable from one computer and plugging it to another one, some USB drivers check attached USB peripherals all the time and do not accept plug-n-play function.

Console Connection

Before installation, make sure all devices and computers to be connected to the unit have been turned off.

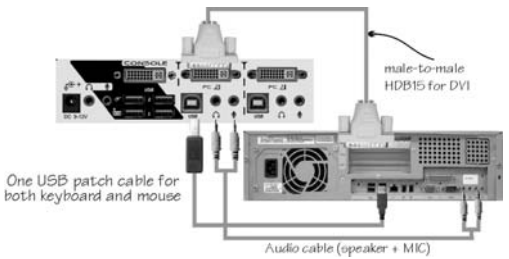
Plug a monitor to the Console's DVI port; plug a USB keyboard and a USB mouse to any two of the Console's USB ports as shown below.

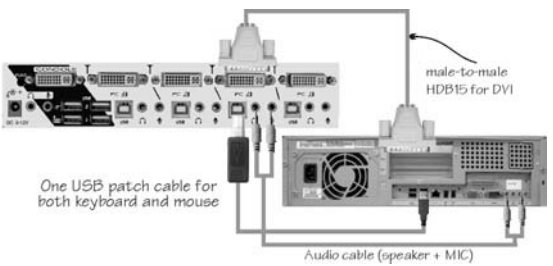


Computers Connection

Use a male-to-male cable to connect from a computer's DVI port to the unit's DVI port of **PC** side.

Use a USB A-B Cable to connect from the unit's **USB** port (B connector, square connector) to the USB port on the corresponding computer (A connector, flat connector), as shown below.





Now, you can turn on all devices and computers.

---------- *Operations*

Front Panel

1. On-line LED & Selected LED
   When the LED turns green, the connected computer is powered-on. When a computer is selected, its corresponding red LED illuminates.
2. Pushbuttons
   Each computer has a button associated with it on the front panel for selection.

Auto Scan

Auto Scan automatically scan through computers one by one in a fixed interval (see *Scan Time* below).

To activate *Auto Scan*, press down front panel push buttons "3" and "4" simultaneously. The port LED flashes during *Auto Scan*. *Auto Scan* is effective for powered-on computers only. To exit the *Auto Scan* mode, just tap any one of the pushbuttons. (CL-KVM-DAAG-114 only)

Note: keyboard and mouse are not operable during Auto Scan.

Scan Time

It sets the scan interval for *Auto Scan*. The Scan Time options are 3, 8, 15 and 30 seconds.

To change the *Scan Time* interval, press both front panel buttons "1" and "2" simultaneously. The unit beep 1, 2, 3 or 4 times for *Scan Time* of 3, 8, 15 or 30 seconds respectively. (CL-KVM-DAAG-114 only)

> **Note:** *Scan Time is automatically set to the default of 3 seconds when the unit loses power.*

"FUNC" Button *(CL-KVM-DAAG-114 only)*

To adjust the optimal video signal strength corresponding to the length or quality of DVI cable, the user can press "FUNC" button combining with the other pushbuttons.

Step 1. Press "FUNC" button three times, the LED of "POWER" will flash one time per second.

Step 2.

- Press pushbutton "1" one or two times for adjusting the

equalization of selected port input video strength with one beep (normal) or two beeps (enhance) respectively.

or

- Press pushbutton “3” one or two times for adjusting the output current of selected port with one beep (normal) or two beeps (enhance) respectively.

or

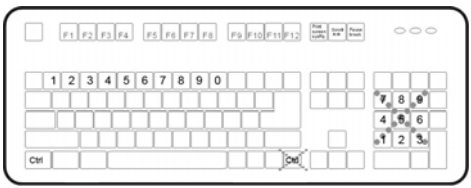
- Press pushbutton “4” one, two, three, or four times for adjusting the output emphasis of selected port with one beep (no pre-emphasis), two beeps (low pre-emphasis), three beeps (medium pre-emphasis), or four beeps (high pre-emphasis).

Step 3. Once the setting is finished, press “FUNC” button one time to exit the setting.

Hotkey Commands

The Hot-key command is a short keyboard sequence to select a computer, to activate computer scan, etc. KVM Switch interprets keystrokes for hot-keys all the time. A hot-key sequence starts with two left **Ctrl** keystrokes (**in 0.2 seconds**) followed by one or two more keystrokes. A built-in buzzer generates a high-pitch beep for correct hot-key command; otherwise, one low-pitch beep for error and the bad key sequence will not be forwarded to the selected computer.

NOTE: Press and hold *Left* **Shift** then press **Num Lock** twice, then release **Shift** , and then press left **Ctrl** once, the user can enable / disable the hotkey function.



- To select a computer:

  Press *Left* **Ctrl** + Press *Left* **Ctrl** + Press **1**

  Selects the computer at port 1.

  Press *Left* **Ctrl** + Press *Left* **Ctrl** + Press **2**

  Selects the computer at port 2

- To start *Auto Scan*, automatically scan power- on computers one by one at a fixed interval:

  Press *Left* **Ctrl** + Press *Left* **Ctrl** + Press **F1**

  To abort the *Auto Scan* mode, press the *left* **Ctrl** key twice. When *Auto Scan* detects any keyboard or mouse activity, it

suspends the scanning till the activity stops; it then resumes with the next computer in sequence. The length of the *Auto Scan* interval (*Scan Rate)* is adjustable, see below.

- *Manual Scan* enables you to manually switch back and forth between power-on computers.

  Press *Left* **Ctrl** + Press *Left* **Ctrl** + Press **F2**

  Press ↑ or ↓ to select the previous or the next computer in sequence. And, press any other key to abort the *Manual Scan*.

- To adjust Scan Rate, this sets the duration before switching to the next computer in Auto Scan:

  Press *Left* **Ctrl** + Press *Left* **Ctrl** + Press **F3**

  The KVM Switch generates 1 to 4 beeps indicating scan interval of ***3***, ***8***, ***15*** and ***30*** seconds respectively.

- *Audio Stick*

  An optional multimedia module can be LINKed to the back of each KVM switch for selecting microphone and stereo speaker signals. There are two options for *Audio Stick*: **ON** and **OFF**. When set to '**ON**', audio selection follows computer selection. When set to '**OFF**', audio selection stops to follow computer selection. It is useful if you want to listen to a particular computer's audio signal while operating other computers.

  Press *Left* ***Ctrl*** + Press *Left* ***Ctrl*** + Press ***F5***

  The KVM switch beeps once or twice corresponding to ***ON*** and ***OFF*** respectively.

Enforce the audio followed with the selected computer by pressing the following hotkey

Press *Left* ***Ctrl*** + Press *Left* ***Ctrl*** + Press ***A***

- *USB-Port Rule*

There are two options for *USB-Port Rule*: **ON** and **OFF**.

When set to '**ON**', USB-Port selection follows computer selection.

When set to '**OFF**', USB-Port selection stops to follow computer selection.

1. USB 1: pressing the hotkey below to turn ON/OFF the USB-Port Rule

Press *Left* ***Ctrl*** + Press *Left* ***Ctrl*** + Press ***F7***

2. USB 2: pressing the hotkey below to turn ON/OFF the USB-Port Rule

Press *Left* ***Ctrl*** + Press *Left* ***Ctrl*** + Press ***F8*** (CL-KVM-DAAG-114 only)

Enforce the USB followed with the selected computer by pressing the following hotkey

Press *Left* ***Ctrl*** + Press *Left* ***Ctrl*** + Press ***U***

NOTE: Please make sure that USB device linking procedure has accomplished before switching to the next computer.

Alternative Hotkey Commands

In addition to the *Left* **Ctrl** + *Left* **Ctrl** hotkeys, there are two other hotkey sequences available.

1. Users may Press Scroll Lock twice instead.
   For example,

- To select a computer:

  Press **Scroll Lock** + Press **Scroll Lock** + Press **1**

  Selects the computer at port 1.

  Press **Scroll Lock** + Press **Scroll Lock** + Press **2**

  Selects the computer at port 2

Do not use the keypad at the right of the keyboard.

2. For those keyboards didn't have or support Scroll Lock, please press and HOLD the *Left* Shift and then press Num Lock twice instead. For example,

- To select a computer:

  Hold *Left* **Shift** + Press **Num Lock** + Press **Num Lock** then release shift + Press **1**

  Selects the computer at port 1.

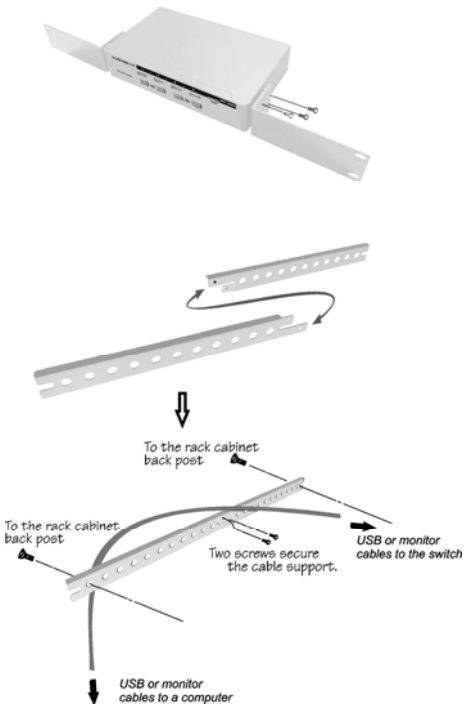
  Hold *Left* **Shift** + Press **Num Lock** + Press **Num Lock** then release shift + Press **2**

  Selects the computer at port 2

Do not use the keypad at the right of the keyboard.

Rack Mount Kit

The figure below shows how to attach optional mounting brackets and cable support (RMK04) to the CL-KVM-DAAG-114 for standard 19-inch rack cabinet.


To the rack cabinet back post
To the rack cabinet back post
Two screws secure the cable support.
USB or monitor cables to the switch
USB or monitor cables to a computer

---------- Appendices

Specifications

		CL-KVM-DAAG-112	CL-KVM-DAAG-114
Console Port		1	1
Computer Port		2	4
Front panel push button		1	4
FUNC button		N/A	1
Hot plug-and-play		Yes	Yes
Automatic scan interval		3, 8, 15, 30 seconds	3, 8, 15, 30 seconds
Cable length (Max)		3M (10ft) for USB	3M (10ft) for USB
Computer ON-LINE LED		2	4
Computer selected LED		2	4
Computer Interface	KB	USB-B x2	USB-B x4
	MS		
	Monitor	DVI female x 2	DVI female x 4
	Audio Jack (Speaker+MIC)	2	4
Console Interface	KB	USB-A x 4	USB-A x 4
	MS		
	Monitor	DVI female x 1	DVI female x 1
	Audio Jack (Speaker+MIC)	1	1
Hot Key		Yes	
Resolution		1920 x 1200	
DDC2B support		Yes	
H x W x D size		44 x 160 x 100(mm) 1.7 x 6.3 x 3.9 (in.) Compact	44 x 220 x 130(mm) 1.7 x 8.7 x 5.1 (in.) Compact

---------- Troubleshooting

Ensure that all cables are well seated. Label the cable for each computer to avoid confusion when connected to the unit.

The unit has built-in power protection that works automatically when needed. When it works, USB communication halts and the only way to restart the unit properly is to remove all power sources (USB patch cables and power adapter), wait a few seconds, apply power sources and start again.

Symptom	Causes	Solutions
Keyboard or mouse does not work	■ In Auto Scan, keyboard and mouse are not operable. ■ Too many keyboards or mouse drivers installed.	■ Press any front button to select a computer, then use the keyboard and mouse. ■ Remove ALL unnecessary keyboards and mouse drivers.
Newly installed USB device does not work.	■ Improper device driver. ■ Device consumes too much power. ■ Device consumes too much power instantaneously. ■ Improper device initialization.	■ Re-install device driver. ■ The device should be self-powered, add a power adapter to the device. ■ If the device does not provide power jack, add a power adapter with DC9~12V of less than 1A current rating to the unit. ■ Be sure the USB cable is well seated to ensure communication. ■ Remove all power sources to the

	■ When the unit works under self-power, i.e., no power supply added, it supports max of 100mA as per USB spec.	unit by unplugging all USB A-B cables and the power adapter; then start all over again. ■ Select the computer by pushbutton, restart the computer and try again.
Computer hangs up while switching computer.	■ Device initialization takes too much time.	■ Wait at least 5 seconds before computer switching to ensure proper USB communication. ■ Turn off device driver (not keyboard nor mouse) before computer switching.
Auto Scan does not switch PC automatically and the units beeps	■ All PCs are off or only one PC is turned on. Scan mode works for power-on computers only.	■ Turn computers on.
No video signal when users plug & unplug the DVI connector or switch from port to port	■ Some DVI video cards do not respond to the signal switch simultaneously.	■ Make sure that you have plugged a monitor to the Console's DVI port before plugging / unplugging the PC's DVI connector(s). ■ Wait for few seconds or ■ Use the "FUNC" button to adjust the video signal strength

The resolution is not good.	■ Improper video settings of the unit	■ To adjust the optimal video signal strength corresponding to the length or quality or DVI cable, the user can press “FUNC” button combing with the other pushbuttons.

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